

## Status of Gaseous and Liquid Waste Management

### ① Commercial Power Reactor Facilities

Power plant		Radioactive gaseous waste		Radioactivity
		Noble gas (Bq)	Iodine [ <sup>131</sup> I] (Bq)	Radioactive liquid waste (excluding <sup>3</sup> H) (Bq)
Japan Atomic Power Company Co., Ltd Tokai Power Station	Nuclear reactor facilities total	N.D.	N.D.	5 5.1×10
	Annual release Target control level	-	-	8 3.7×10
Japan Atomic Power Company Co., Ltd. Tokai Daini Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	1.4×10 <sup>15</sup>	5.9×10 <sup>10</sup>	10 3.7×10
Japan Atomic Power Company Co., Ltd. Tsuruga Power Station	Nuclear reactor facilities total	8.8×10 <sup>8</sup>	N.D.	N.D.
	Annual release Target control level	1.7×10 <sup>15</sup>	3.8×10 <sup>10</sup>	10 7.4×10
Tohoku Electric Power Co., Inc. Onagawa Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	3.8×10 <sup>15</sup>	1.3×10 <sup>11</sup>	10 1.1×10
Tokyo Electric Power Co., Inc. Fukushima Daiichi Nuclear Power Station	Nuclear reactor facilities total	1.0×10 <sup>9</sup>	N.D.	N.D.
	Annual release Target control level	8.8×10 <sup>15</sup>	4.8×10 <sup>11</sup>	11 2.2×10
Tokyo Electric Power Co., Inc. Fukushima Daini Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	5.5×10 <sup>15</sup>	2.3×10 <sup>11</sup>	11 1.4×10
Tokyo Electric Power Co., Inc. Kashiwazaki-Kariwa Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	6.7×10 <sup>15</sup>	2.3×10 <sup>11</sup>	11 2.5×10
Chubu Electric Power Co., Inc. Hamaoka Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	5.1×10 <sup>15</sup>	2.9×10 <sup>11</sup>	11 1.4×10
Hokuriku Electric Power Co. Shika Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	1.1×10 <sup>15</sup>	3.0×10 <sup>10</sup>	10 3.7×10
Chugoku Electric Power Co., Inc. Shimane Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	2.5×10 <sup>15</sup>	1.3×10 <sup>11</sup>	10 7.4×10

\*1: Due to the commencement of the decommissioning process on December 4, 2001, <sup>60</sup>Co, <sup>134</sup>Cs and <sup>137</sup>Cs are the subjects of the annual release control targets for radioactive liquid waste.

Power plant		Radioactive gaseous waste		Radioactivity Radioactive liquid waste (excluding <sup>3</sup> H) (Bq)
		Noble gas (Bq)	Iodine [ <sup>131</sup> I] (Bq)	
Hokkaido Electric Power Co., Inc. Tomari Power Station	Nuclear reactor facilities total	9 8.1×10	N.D.	N.D.
	Annual release Target control level	15 1.1×10	10 1.1×10	10 7.4×10
Kansai Electric Power Co., Inc. Mihama Power Station	Nuclear reactor facilities total	10 1.4×10	4 9.9×10	N.D.
	Annual release Target control level	15 2.1×10	10 7.4×10	11 1.1×10
Kansai Electric Power Co., Inc. Takahama Power Station	Nuclear reactor facilities total	10 1.8×10	5 1.8×10	N.D.
	Annual release Target control level	15 3.3×10	10 6.2×10	11 1.4×10
Kansai Electric Power Co., Inc. Ohi Power Station	Nuclear reactor facilities total	10 1.5×10	5 2.7×10	N.D.
	Annual release Target control level	15 3.7×10	11 1.0×10	11 1.4×10
Shikoku Electric Power Co., Inc. Ikata Power Station	Nuclear reactor facilities total	9 3.8×10	N.D.	N.D.
	Annual release Target control level	15 1.5×10	10 8.1×10	11 1.1×10
Kyushu Electric Power Co., Inc. Genkai Nuclear Power Station	Nuclear reactor facilities total	9 8.8×10	N.D.	N.D.
	Annual release Target control level	15 2.2×10	10 5.9×10	11 1.4×10
Kyushu Electric Power Co., Inc. Sendai Nuclear Power Station	Nuclear reactor facilities total	10 1.5×10	N.D.	N.D.
	Annual release Target control level	15 1.6×10	10 6.2×10	10 7.4×10

Notes: The radioactivity (Bq) of gaseous (or liquid) waste is obtained by multiplying the concentration of the radioactive material (Bq/cm<sup>3</sup>) in the released gas (or liquid) by the amount of released gas (or liquid) (m<sup>3</sup>). Values lower than the detection limit of radioactivity are indicated as N.D.

The detection limits are as follows.

Radioactive noble gases:  $2 \times 10^{-2}$  (Bq/cm<sup>3</sup>) or less

Radioactive iodine:  $7 \times 10^{-9}$  (Bq/cm<sup>3</sup>) or less

Radioactive liquid waste (excluding <sup>3</sup>H):  $2 \times 10^{-2}$  (Bq/cm<sup>3</sup>) or less ( the <sup>60</sup>Co value is used)